

```

Plot3D[{Abs[x + I y]^3 Arg[(x + I y)^8] / 5, 2 + Abs[x + I y]^3 Arg[e^{\pi i/2} (x + I y)^8] / 5},
{x, -1, 1}, {y, -1, 1}, Exclusions -> None, RegionFunction -> ((#1^2 + #2^2) < 1 &)]

Plot3D[{Abs[x + I y]^3 Arg[(x + I y)^2] / 3, 2 + Abs[x + I y]^3 Arg[e^{\pi i/2} (x + I y)^3] / 2},
{x, -1, 1}, {y, -1, 1}, Exclusions -> None, RegionFunction -> ((#1^2 + #2^2) < 1 &)]

Abs[x + I y]^3 /. {x -> Sin[t], y -> Cos[t]} // Simplify
r Cos[t] + r I Sin[t]
TrigToExp[r Cos[t] + i r Sin[t]]
TrigToExp[i Cos[t] + Sin[t]]
TrigReduce[i Cos[t] + Sin[t]]
TrigToExp[i (Cos[t] - i Sin[t])]

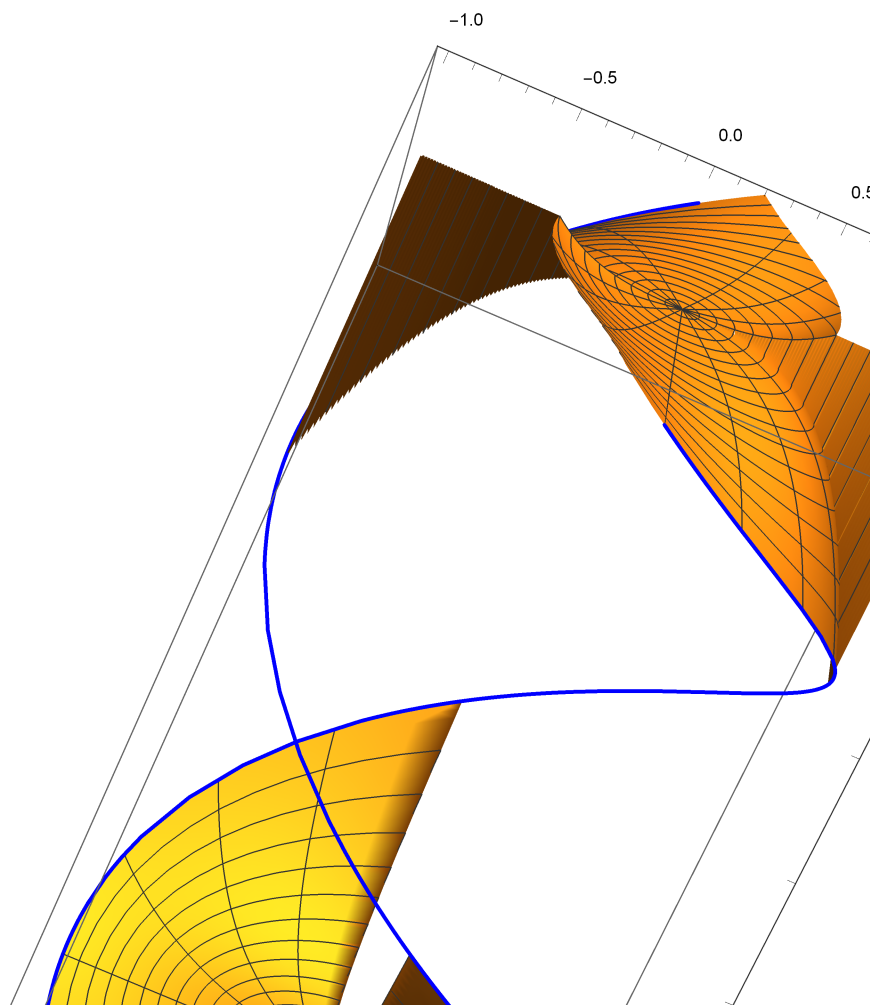
Table[2 k + Abs[x + I y]^3 Arg[e^{k \pi i/2} (x + I y)^2] / 3, {k, 0, 3}]
1/3 Abs[x + i y]^3 Arg[(x + i y)^2] /. {x -> Cos[\theta], y -> Sin[\theta]}
TrigToExp[1/3 Abs[Cos[t] + i Sin[t]]^3 Arg[(Cos[t] + i Sin[t])^2]]

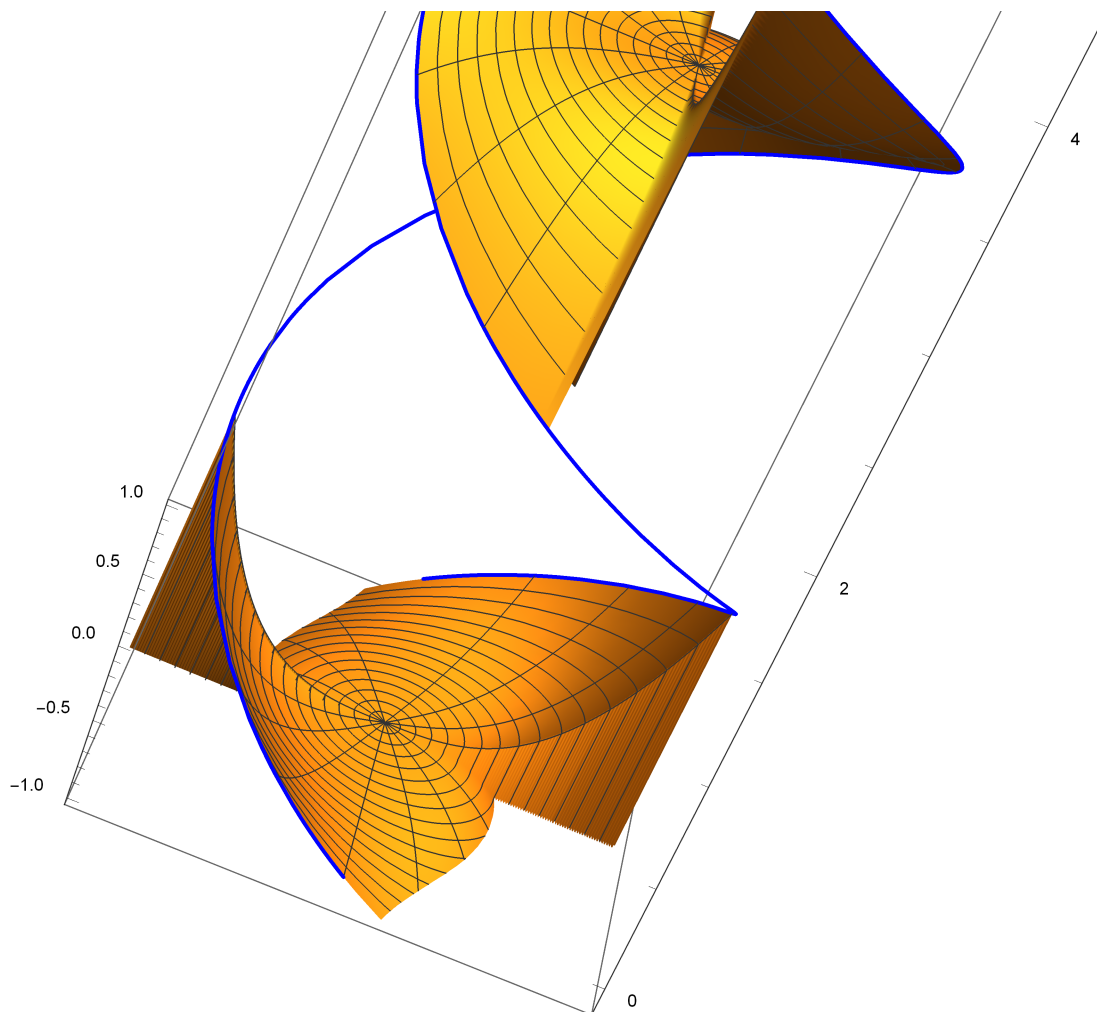
Plot3D[Table[2 k + Abs[x + I y]^3 Arg[e^{k \pi i/2} (x + I y)^2] / 3, {k, 0, 4}], {x, -1, 1}, {y, -1, 1},
Exclusions -> None, RegionFunction -> ((#1^2 + #2^2) < 1 &), BoxRatios -> {1, 1, 2}]

knot = ParametricPlot3D[
{{Sin[3 \theta / 2], Cos[3 \theta / 2], 2 n \pi / 3 + \theta}, {-Sin[3 \theta / 2], -Cos[3 \theta / 2], 2 n \pi / 3 + \theta}} /. n -> 0,
{\theta, 0, 2 \pi}, PlotStyle -> {Thick, Blue}];

Show[
knot,
ParametricPlot3D[Table[{r Sin[\theta], r Cos[\theta],
\pi n + 1/3 Abs[x + i y]^3 Arg[Exp[n I \pi] (x + i y)^2] /. {x -> r Cos[\theta], y -> r Sin[\theta]}}, {n, 0, 2}],
{\theta, 0, 2 Pi}, {r, 0, 1}, PlotPoints -> 50, Exclusions -> None]
]

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knot = ParametricPlot3D[
  {{Sin[ $\frac{3\theta}{2}$ ], Cos[ $\frac{3\theta}{2}$ ],  $\frac{2n\pi}{3} + \theta$ }, {-Sin[ $\frac{3\theta}{2}$ ], -Cos[ $\frac{3\theta}{2}$ ],  $\frac{2n\pi}{3} + \theta$ }} /. n -> 0,
  { $\theta$ , 0, 2\pi}, PlotStyle -> {Thick, Blue}]

Show[
  knot,
  ParametricPlot3D[Table[{r Sin[ $\theta$ ], r Cos[ $\theta$ ],
     $\pi n + \frac{1}{3} \text{Abs}[x + i y]^3 \text{Arg}[\text{Exp}[n I \pi] (x + i y)^2]$  /. {x -> Cos[ $\theta$ ], y -> Sin[ $\theta$ ]},
    {n, 0, 2}], { $\theta$ , 0, 2 Pi}, {r, 0, 1}, PlotPoints -> 50]
]

ParametricPlot3D[
  {{ $\frac{2n\pi}{3} + \theta$ , Sin[ $\frac{3\theta}{2}$ ], Cos[ $\frac{3\theta}{2}$ ]}, { $\frac{2n\pi}{3} + \theta$ , -Sin[ $\frac{3\theta}{2}$ ], -Cos[ $\frac{3\theta}{2}$ ]}} /. n -> 0, { $\theta$ , 0, 2\pi}]

```